



Course Specifications

Course Title:	Human Anatomy for Nursing
Course Code:	56032210-3
Program:	Bachelor degree in Nursing program
Department:	Science & Nursing Research Department.
College:	Collage of Nursing
Institution:	Umm Al Qura University

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A. Course Identification

1. Credit hours: 3 hours			
2. Course type			
a.	University <input type="checkbox"/>	College <input checked="" type="checkbox"/>	Department <input type="checkbox"/>
b.	Required <input checked="" type="checkbox"/>	Elective <input type="checkbox"/>	Others <input type="checkbox"/>
3. Level/year at which this course is offered: 2 nd year / 1 st Semester			
4. Pre-requisites for this course (if any): Medical English language			
5. Co-requisites for this course (if any): None			

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom		70%
2	Blended		20%
3	E-learning		
4	Distance learning		10%
5	Other		

7. Contact Hours (based on academic semester)

No	Activity	Contact Hours
1	Lecture	20
2	Laboratory/Studio	30
3	Tutorial	10
4	Others (specify)	
	Total	60

B. Course Objectives and Learning Outcomes

1. Course Description The course of human anatomy is designed to prepare the students with an understanding of the structural basis of the human body both at gross and microscopic levels.
2. Course Main Objective At the end of the course the students will be able to connect basic anatomy of different systems to clinical problems.

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	Knowledge and Understanding	
1.1	Define anatomical terminology, anatomical position, planes, sections and regions.	1.1
1.2	Recognize cellular basis of the morphological organization at the tissues, organs and systems levels.	1.2
1.3	Describe the anatomical significance with the physiological functions and with the clinical conditions during subsequent years of study.	1.5
1.4	Identify important areas of basic anatomy.	1.6
2	Skills :	
2.1	Differentiate the surface markings of clinically important structures.	2.4. 2.5. 2.6
2.2	Evaluate normal histological structure that help to understand possible pathologic outcomes of dysfunctional cells and tissues	2.17
2.3	Demonstration of morphology of human body on Anatomical models and Histology slides.	2.5.
3	Values:	
3.1	Maintain effective communication and positive relation with each other.	3.1
3.2	Use the ethical and professional standards during practice	3.2

C. Course Content

No	List of Topics	Contact Hours
1	Introduction to Anatomy <ul style="list-style-type: none"> Anatomy: definition, branches, significance, methods of study Basic terminology, anatomical position, planes, regions Organization of the human body: Cell, tissues and organs Histology: definition and method of study Cell review and basic tissues: Epithelium, Connective, Muscular and Nervous tissues Clinical Reference (CR): Response of the cells and cellular organelle in disease process 	2
2	Musculoskeletal system <ul style="list-style-type: none"> Classification of bones and joints Axial and appendicular skeleton Terms of movement Muscle groups and their actions CR: Fractures, dislocations, paralysis of muscle groups 	2
3	Respiratory system <ul style="list-style-type: none"> General organization and gross features: Respiratory passages, nose, pharynx, larynx, trachea, lungs, pleura, bronchi, bronchioles and alveoli Histology of the respiratory tract Fine structure of the alveoli Blood-air barrier Muscles of respiration CR: Respiratory tract infections and inflammation, Pneumonia, Pleural effusion, Asthma, Emphysema, Bronchial cancer 	2

4	Cardiovascular system <ul style="list-style-type: none"> General organization and gross features of the heart, aorta and its branches Histological structure of the blood vessels and heart Capillaries The Blood CR: Atherosclerosis, Coronary heart disease, Angina, Myocardial infarction, Pericardial effusion, Hypertension, Aneurysm, Varicose veins, Anemia 	2
5	Lymphatic system: <ul style="list-style-type: none"> General and histological features of the: Lymph node Spleen Thymus Tonsils Basic immunology from anatomical view CR: Inflammation of lymph nodes, enlargement of spleen, splenectomy, T-lymphocytes, Immune system 	2
6	Digestive system <ul style="list-style-type: none"> General organization and gross features of the gut tube: Oral cavity, tongue, teeth, salivary glands, esophagus, stomach, small and large intestine, liver, gall bladder and pancreas Portal circulation Histology of the gut tube Gross features and histology of the liver and gall bladder Concept of the liver lobule Gross features and histology of the pancreas CR: Gastroesophageal reflux, Peptic ulcer, Malabsorption syndrome, Hemorrhoids, Acute pancreatitis, Diabetes mellitus, Liver cirrhosis, Portal hypertension 	4
7	Urinary System <ul style="list-style-type: none"> General organization and gross features: kidneys, ureters, urinary bladder and urethra Histological structure of the kidney, ureter and urinary bladder Detailed structure of the nephron Filtration barrier CR: Nephrotic syndrome, Hypertension, Kidney stones, Diabetes insipidus 	2
8	Male reproductive system <ul style="list-style-type: none"> General organization and gross features: Testis, epididymis, ductus deferens, prostate, seminal vesicles, ejaculatory ducts and penis Histological structure Spermatogenesis Blood-testis barrier CR: Azoospermia and hypospermia, varicocele, hydrocele, benign prostatic enlargement, prostatic cancer 	2
9	Female reproductive system: <ul style="list-style-type: none"> General organization and gross features: ovaries, uterine tubes, uterus, vagina and vulva Histological structure Ovarian and Endometrial cyclic changes Hormonal correlation 	2

	<ul style="list-style-type: none"> CR: Pregnancy and contraception, Irregular menstrual cycles, cervical cancer. 	
10	Endocrine system <ul style="list-style-type: none"> General organization and gross features: Pituitary, thyroid, parathyroid and adrenal glands Histological structure CR: Acromegaly and Giantism, Goiter, Addison's disease, hyper- and hypo-functioning of the glands 	2
11	Nervous system <ul style="list-style-type: none"> General organization and gross features of the brain and spinal cord, Meninges and cerebrospinal fluid Central and peripheral nervous systems Autonomic nervous system Main sensory and motor cortical areas of the brain Major descending and ascending pathways in the central nervous system Cranial and spinal nerves Histological structure of the neuron and synapses CR: Alzheimer's disease, Accidents and injuries. Paralysis, meningitis, lumbar puncture 	4
12	Special sense and Integumentary system <ul style="list-style-type: none"> General organization and gross features: Eye, ear, nose and skin Histological structure of the skin CR: Corneal transplant, radial keratotomy, Retinal detachment, tonometry, ophthalmoscopy, contact lenses, color blindness, deafness, tympanic membrane rupture, deep sea diving, sinusitis, acne, rashes 	2
13	Surface Anatomy <ul style="list-style-type: none"> Head and neck Trunk Upper and Lower limbs 	2
Practical part		
1	Cells and Tissues	2
2	Human skeleton, Muscular system and Joints	2
3	Upper and lower Respiratory tract	2
4	Heart, Blood vessels and Blood	2
5	GIT system	4
6	Urinary System	2
7	Reproductive system	2
8	Endocrine system	2
9	Nervous system	4
10	Special sense and Integumentary system	2
11	Surface Anatomy	2
۱۲	Midterm Practical Exam	2
۱۳	Revision	2
Total		60

D. Teaching and Assessment

1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.0	Knowledge and Understanding		
1.1	Identify anatomical terminology, anatomical position, planes, sections and regions.	lectures (L), small group discussion	Written Exam (Midterm and Final)
1.2	Write Comprehend the cellular basis of the morphological organization at the tissues, organs and systems levels.	lectures (L), small group discussion	Written Exam (Midterm and Final)
1.3	Describe the anatomical significance with the physiological functions and with the clinical conditions during subsequent years of study.	lectures (L), small group discussion	Written Exam (Midterm and Final)
1.4	Explain important areas of basic anatomy.	lectures (L), small group discussion	Written Exam (Midterm and Final), Assignment
2.0	Skills		
2.1	Differentiate the surface markings of clinically important structures.	lectures (L), small group discussion	Written Exam (Midterm and Final)
2.2	Evaluate normal histological structure that help to understand possible pathologic outcomes of dysfunctional cells and tissues.	lectures (L), small group discussion	Written Exam (Midterm and Final)
2.3	Demonstration of morphology of human body on Anatomical models and Histology slides.	Practical lab sessions (Anatomy and Histology)	Midterm and Final Practical exam
2.4	Illustrate technology in communication skills with others.	Assignment (small group work)	Observation
2.5	Appraise communication effectively with others.	Assignment (small group work)	Observation
3.0	Values		
3.1	Apply ethical principles in promoting the safety of patient care.	Assignment (small group work)	Observation
3.2	Utilize the ability to appreciate cultural norms and integrate these into patient care.	Assignment (small group work)	Observation

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Midterm Written Exam	W7	20%
2	Midterm Practical Exam	W8	10%

#	Assessment task*	Week Due	Percentage of Total Assessment Score
3	Activity	All weeks	10%
4	Final Practical Exam	W16	20%
5	Final Written Exam	W18	40%

*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

E. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice:
2hrs / office hours

F. Learning Resources and Facilities

1. Learning Resources

Required Textbooks	Ashalatha, P and Deepa. G (2020): Textbook of anatomy & physiology for nurses with free booklet. 5 th .ed., Jaypee Brothers Medical Publishers Co., ISBN-13: 978-9390020041
Essential References Materials	Ashalatha, P. (2018); Textbook of anatomy for BSc nursing student's 2 nd ed., Jaypee Brothers Medical Publishers Co., ISBN-13: 978-9352701193
Electronic Materials	<ul style="list-style-type: none"> http://aclandanatomy.com b. Journal of Anatomy http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1469-7580
Other Learning Materials	

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	Classrooms, laboratories
Technology Resources (AV, data show, Smart Board, software, etc.)	AV, data show, Smart Board
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	Anatomy lab.

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Student Evaluation Course Survey.	Students	Checklist format
Annual Evaluation by Course Coordinator.	Course coordinator & teaching staff	Revising content of the course & methods of teaching.

Evaluation areas (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

Evaluators (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

Assessment Methods (Direct, Indirect)

H. Specification Approval Data

Council / Committee	10 th Council Nursing Science and Research department meeting
Reference No.	٣٦٤٩٦/٣٩٤٠٥٠٧١٤٤٢١٠
Date	١٤٤٢/٧/٩ هـ